

## EAST Search History



Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	("6154482").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 14:55
L2	0	l1 and dsss with modulat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 14:15
L3	1	l1 and modulat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 14:15
L4	1138	375/348	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 14:54
L5	2	("4479255").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 14:55
L6	2	("6154482").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 14:55
L7	1	correlat\$3 same (frequency phase) and L6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 14:55

## EAST Search History

L8	20	("direct sequence spread spectrum" DSSS "dscdma" "ds-cdma" "direct-sequence" "direct sequence") and frequency adj generat\$3 and (differential adj detector or d\$psk) and correlat\$3 and encod\$3 and down adj (conversion or convert\$3) and (lc adj oscillator or rc adj oscillator relaxation adj oscillator ring adj oscillator vco "voltage controlled oscillator")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 14:58
S2	1	("direct sequence spread spectrum" DSSS) and frequency adj generat\$3 and differential adj detect\$3 and correlat\$3 and encod\$3 and down adj (conversion or convert\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 16:24
S3	3	("direct sequence spread spectrum" DSSS) and frequency adj generat\$3 and differential adj detect\$3 and correlat\$3 and encod\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/30 20:32
S4	169	("direct sequence spread spectrum" DSSS) and frequency adj generat\$3 and correlat\$3 and encod\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/30 20:32
S5	36	("direct sequence spread spectrum" DSSS) and frequency adj generat\$3 and differential and correlat\$3 and encod\$3 and down adj (conversion or convert\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/30 20:41
S6	19	("direct sequence spread spectrum" DSSS) and frequency adj generat\$3 and differential and correlat\$3 and encod\$3 and down adj (conversion or convert\$3) and (lc adj oscillator or rc adj oscillator relaxation adj oscillator ring adj oscillator vco "voltage controlled oscillator")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/30 21:17

## EAST Search History

S7	1	("direct sequence spread spectrum" DSSS) and frequency adj generat\$3 and differential adj detector and correlat\$3 and encod\$3 and down adj (conversion or convert\$3) and (lc adj oscillator or rc adj oscillator relaxation adj oscillator ring adj oscillator vco "voltage controlled oscilator")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/31 13:58
S8	1495	differential adj detector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/30 22:13
S9	26	("direct sequence spread spectrum" DSSS) and differential adj detector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/31 12:13
S10	2	("5724381").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/31 12:13
S11	1	("direct sequence spread spectrum" DSSS "dscdma" "ds-cdma") and frequency adj generat\$3 and differential adj detector and correlat\$3 and encod\$3 and down adj (conversion or convert\$3) and (lc adj oscillator or rc adj oscillator relaxation adj oscillator ring adj oscillator vco "voltage controlled oscilator")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/31 13:58
S12	1	("direct sequence spread spectrum" DSSS "dscdma" "ds-cdma" "direct-sequence" "direct sequence") and frequency adj generat\$3 and differential adj detector and correlat\$3 and encod\$3 and down adj (conversion or convert\$3) and (lc adj oscillator or rc adj oscillator relaxation adj oscillator ring adj oscillator vco "voltage controlled oscilator")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/31 14:00

## EAST Search History

S13	16	("direct sequence spread spectrum" DSSS "dscdma" "ds-cdma" "direct-sequence" "direct sequence") and frequency adj generat\$3 and (differential adj detector or d\$psk) and correlat\$3 and encod\$3 and down adj (conversion or convert\$3) and (lc adj oscillator or rc adj oscillator relaxation adj oscillator ring adj oscillator vco "voltage controlled oscillator")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/31 15:29
S14	236	("direct sequence" dsss) and ("down convert" "down converting" "down conversion") and (differential or dpsk)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/31 15:33
S15	189	("direct sequence" dsss) and ("down convert" "down converting" "down conversion") and (differential or dpsk) and correlat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/01 20:29
S16	5	differential adj detector same correlat\$3 same (DS\$3 or direct adj sequence)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/01 20:36
S17	2	("5947693").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/04 15:09
S18	1	differential adj detect\$3 with down adj convert\$3 with correlat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/04 15:11
S19	7	(US-20030108135-\$).did. or (US-5724381-\$ or US-5947693-\$ or US-6192068-\$ or US-6320897-\$ or US-6377782-\$ or US-6639939-\$). did.	US-PGPUB; USPAT	OR	ON	2005/06/22 10:08
S20	1	S19 and tolerance	US-PGPUB; USPAT	OR	ON	2005/06/22 10:15
S21	1	S19 and ring	US-PGPUB; USPAT	OR	ON	2005/06/22 10:16

## EAST Search History

S22	0	S19 and lc	US-PGPUB; USPAT	OR	ON	2005/06/22 10:16
S23	0	S19 and rc	US-PGPUB; USPAT	OR	ON	2005/06/22 10:16
S24	0	S19 and relaxation	US-PGPUB; USPAT	OR	ON	2005/06/22 10:16
S25	2	S19 and vco	US-PGPUB; USPAT	OR	ON	2005/06/22 10:19
S26	0	S25 and adjustment same oscillator	US-PGPUB; USPAT	OR	ON	2005/06/22 10:20
S27	1	S25 and adjust same oscillator	US-PGPUB; USPAT	OR	ON	2005/06/22 10:20
S28	2	("6282232").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/22 11:17
S29	4001	375/238,239,242,256,257,286,353. ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 14:54
S30	3236	329/300,304.ccls. 341/126.ccls. 455/130,296.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/22 11:20
S31	0	307/200.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/22 11:20
S32	0	307/200.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/22 11:20
S33	8	(US-20030108135-\$).did. or (US-5724381-\$ or US-5947693-\$ or US-6192068-\$ or US-6282232-\$ or US-6320897-\$ or US-6377782-\$ or US-6639939-\$).did.	US-PGPUB; USPAT	OR	ON	2005/06/23 12:07

## EAST Search History

S34	2	S33 and vco	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/23 12:08
S35	192	("direct sequence spread spectrum" DSSS) and frequency adj generat\$3 and correlat\$3 and encod\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 16:24
S36	0	ceramic adj resonator and S35	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 16:24
S37	287	("direct sequence" dsss) and ("down convert" "down converting" "down conversion") and (differential or dpsk)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 16:24
S38	1	ceramic adj resonator and S37	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/01 00:49
S39	7627	375/238,239,242,256,257,286,353. ccls. 307/200.1.ccls. 329/300,304. ccls. 341/126.ccls. 455/130,296.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/01 00:32
S40	2	("6282232").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/01 00:42
S41	250	(DSSS direct adj sequence adj spread adj spectrum) same correlat\$3 same (differential\$2 detect\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/01 00:43

## EAST Search History

S42	3	ceramic adj resonator and S41	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/01 00:50
S43	2	("6154482").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/01 01:09
S44	1	S43 and (temperature voltage)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/01 01:10
S45	287	("direct sequence" dsss) and ("down convert" "down converting" "down conversion") and (differential or dpsk)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/01 01:10
S46	1	ceramic adj resonator and S45	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/01 01:16
S47	1	S46 and (temperature voltage)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/01 01:11
S48	205	ceramic adj resonator and temperature with (compensat\$3 offset\$4 correct\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/01 01:18
S49	50	ceramic adj resonator same temperature with (compensat\$3 offset\$4 correct\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/01 01:27

## EAST Search History

S50	0	ceramic adj resonator same temperature with (compensat\$3 offset\$4 correct\$3) and spread adj spectrum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/01 01:19
S51	47	ceramic adj resonator same temperature with (compensat\$3 offset\$4 correct\$3) and frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/01 02:03
S52	2	("6359476").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/01 02:09
S53	11	(US-20030108135-\$).did. or (US-5724381-\$ or US-5947693-\$ or US-6192068-\$ or US-6320897-\$ or US-6639939-\$ or US-6377782-\$ or US-6282232-\$ or US-6970496-\$ or US-4661790-\$ or US-6340649-\$). did.	US-PGPUB; USPAT	OR	ON	2006/05/01 02:09
S54	1	S53 and tolerance	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/01 02:10
S55	4291	375/238,239,242,256,257,286,353. ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/11 16:42
S56	3512	329/300,304.ccls. 341/126.ccls. 455/130,296.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/11 16:43
S57	1	("direct sequence spread spectrum" DSSS) and frequency adj generat\$3 and differential adj detect\$3 and correlat\$3 and encod\$3 and down adj (conversion or convert\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/11 16:43



## EAST Search History

S58	27	("direct sequence spread spectrum" DSSS) and differential adj detector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/11 16:43
S59	3512	329/300,304.ccls. 341/126.ccls. 455/130,296.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/14 11:35
S60	4291	375/238,239,242,256,257,286,353. ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/14 11:43
S61	27	("direct sequence spread spectrum" DSSS) and differential adj detector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/14 11:35
S62	1809	375/229	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/14 11:43
S63	1	("direct sequence spread spectrum" DSSS) and frequency adj generat\$3 and differential adj detect\$3 and correlat\$3 and encod\$3 and down adj (conversion or convert\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/14 11:49
S64	48	("direct sequence spread spectrum" DSSS) and frequency adj generat\$3 and differential and correlat\$3 and encod\$3 and down adj (conversion or convert\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/14 11:51

## EAST Search History

S65	1	("direct sequence spread spectrum" DSSS "dscdma" "ds-cdma") and frequency adj generat\$3 and differential adj detector and correlat\$3 and encod\$3 and down adj (conversion or convert\$3) and (lc adj oscillator or rc adj oscillator relaxation adj oscillator ring adj oscillator vco "voltage controlled oscilator")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/14 11:53
S66	196	("direct sequence spread spectrum" DSSS) and frequency adj generat\$3 and correlat\$3 and encod\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/14 11:56
S67	50	ceramic adj resonator same temperature with (compensat\$3 offset\$4 correct\$3) and frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/14 11:56
S68	235	("direct sequence" dsss) and ("down convert" "down converting" "down conversion") and (differential or dpsk) and correlat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/14 12:19
S69	2	("6154482").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/13 20:31
S70	1	correlat\$3 same (frequency phase) and S69	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/13 20:33

## EAST Search History

S71	293	(US-20030045970-\$ or US-20020041587-\$ or US-20050105595-\$ or US-20060072586-\$ or US-20020018520-\$ or US-20010010689-\$ or US-20010030988-\$ or US-20010038662-\$ or US-20010041535-\$ or US-20010050948-\$ or US-20010053176-\$ or US-20020036569-\$ or US-20020050983-\$ or US-20020054619-\$ or US-20020063622-\$ or US-20020067755-\$ or US-20020071478-\$ or US-20020071508-\$ or US-20020075940-\$ or US-20020109607-\$ or US-20020114307-\$ or US-20020118728-\$ or US-20020122466-\$ or US-20020122468-\$ or US-20020131478-\$ or US-20020136183-\$).did. or (US-20020136184-\$ or US-20020136233-\$ or US-20020141385-\$ or US-20020141479-\$ or US-20020147031-\$ or US-20020155812-\$ or US-20020159422-\$ or US-20020173271-\$ or US-20020173272-\$ or US-20020176386-\$ or US-20020191632-\$ or US-20020196876-\$ or US-20030026198-\$ or US-20030043766-\$ or US-20030072354-\$ or US-20030073424-\$ or US-20030087645-\$ or US-20030108085-\$ or US-20030112851-\$ or US-20030142725-\$ or US-20030144019-\$ or US-20030161383-\$ or US-20030161385-\$ or US-20030190931-\$ or US-20030191856-\$ or US-20030198280-\$ or US-20030216154-\$).did. or (US-20040046016-\$ or US-20040047401-\$ or US-20040048579-\$ or US-20040057505-\$ or US-20040071200-\$ or US-20040074076-\$ or	US-PGPUB; USPAT	OR	ON	2006/10/13 21:50
2/8/2007 2:59:20 PM		C:\Documents and Settings\eric\My Documents\EAST\Workspaces\10715222.wsp				Page 11

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S72	4330	375/238,239,242,256,257,286,353. ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/13 21:50
S73	7870	375/238,239,242,256,257,286,353. ccls. 307/200.1.ccls. 329/300,304. ccls. 341/126.ccls. 455/130,296.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/13 21:50
S74	3556	329/300,304.ccls. 341/126.ccls. 455/130,296.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/13 21:50
S75	1862	375/229	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/13 21:50
S76	50	("direct sequence spread spectrum" DSSS) and frequency adj generat\$3 and differential and correlat\$3 and encod\$3 and down adj (conversion or convert\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/14 16:34
S77	243	("direct sequence" dsss) and ("down convert" "down converting" "down conversion") and (differential or dpsk) and correlat\$3.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/13 21:50
S78	199	("direct sequence spread spectrum" DSSS) and frequency adj generat\$3 and correlat\$3 and encod\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/13 21:50
S79	102921	"370"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/14 16:34

## EAST Search History

S80	7870	375/238,239,242,256,257,286,353. ccls. 307/200.1.ccls. 329/300,304. ccls. 341/126.ccls. 455/130,296.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/14 17:00
S81	2	("6154482").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/16 14:14
S82	0	"6154482".pn. and phase near noise	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/16 14:14
S83	0	"6154482".pn. and phase with noise	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/16 14:16
S84	1288	phase with noise with local near oscillat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/16 14:16
S85	196	phase with noise near (local near oscillat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/16 14:17
S86	254	phase near noise near (local near oscillat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/16 14:17
S87	254	(phase near noise) near (local near oscillat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/16 14:20

## EAST Search History

S88	2	("6154482").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/23 13:49
S89	2	("6340649").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/23 13:54
S90	2	("20010030556").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/23 15:54
S91	1101	saw near oscillat\$3 not crystal not piezo not piezoelectric	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/23 15:55
S92	263	(saw near oscillat\$3).ab. not crystal not piezo not piezoelectric	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/23 15:55